

SECTION 01 35 24
CONSTRUCTION SAFETY

PART 1 – GENERAL

1.01 SECTION INCLUDES

- A. Contractor's safety program.
- B. First aid.
- C. Emergencies and emergency procedures.
- D. Protecting the general public.
- E. Specific requirements
- F. Inspections by outside agencies.
- G. Inspections by the District.
- H. Work performed near existing operating right-of-way
- I. Hazardous materials encountered during construction.

1.02 MEASUREMENT AND PAYMENT

- A. Separate measurement or payment will not be made for work required under this Section. All costs in connection with the work specified herein will be considered to be included with the related item of work in the Bid Schedule of the Bid Form, or incidental to the Work.

1.03 SUBMITTALS

- A. Within five Days of Execution of Contract:
 - 1. Submit for review and approval, the Contractor's proposed Safety Representative's resume identifying his or her work experience and qualifications. The minimum qualifications shall be five years of diversified construction safety experience, and two years' experience related to the Contract's scope of work. The Contractor shall have received the Engineer's approval of the Contractor's proposed Safety Representative prior to submitting the first monthly progress payment.
- B. Within seven Days of Notice to Proceed:
 - 1. Submit two copies of the Contractor's Safety Program for review and approval. The Contractor shall have received the Engineer's approval of the Contractor's proposed Safety Program prior to submitting the first monthly progress payment.

1.04 CONTRACTOR'S SAFETY PROGRAM

- A. The Contractor's Safety Program shall incorporate the Contractor's safety practices and procedures, as well as the requirements described herein including the following:
 - 1. A disciplinary program.
 - 2. A policy that prohibits rough or boisterous play and activity, gambling, the use of alcohol or drugs, and the possession of weapons on the construction site.

1.05 FIRST AID

- A. The Contractor shall provide emergency medical services including American Red Cross Certified First Aid Representative(s) on the jobsite and an appropriate area designated for first aid to treat injured employees. First Aid Representatives shall be CPR certified.
- B. Employees shall receive prompt first aid care when injured.

1.06 EMERGENCIES AND EMERGENCY PROCEDURES

- A. Develop Emergency Procedures for any event that may occur for the following categories:
 - 1. Fire;
 - 2. Employee injury;
 - 3. Property damage and damage to various utilities (such as, electrical, gas, sewage, water, telephone or public roadways);
 - 4. Earthquake;
 - 5. Public demonstrations;
 - 6. Bomb threats;
 - 7. Hazardous materials encountered;
 - 8. Toxic spills;
 - 9. Explosions; and
 - 10. Vehicular accidents.
- B. The Emergency Procedures shall include, but not be limited to, the following:
 - 1. Identification of the person responsible for handling an emergency.
 - 2. Establishment of teams for handling each type of emergency.

3. Identification of the person responsible for making emergency call (preferably the ranking Supervisor present).
 4. The requirement to conspicuously post a list of an emergency phone numbers, along with information to be transmitted.
- C. Update the Emergency Procedures when necessary.
- D. Provide to the Engineer copies of the above Emergency Procedures.
- E. Contact the Engineer immediately in the event a serious accident should occur.
- F. Following an emergency, the Contractor shall:
1. Secure the area as expediently as possible; and
 2. Provide only those authorized representatives of the District and specific governmental agencies an account of the nature of the emergency. Questions from media personnel shall be referred to the Engineer.
- G. Whenever the Contractor requires emergency services, such as ambulance, Fire Department or Police, the Contractor shall use the posted emergency numbers and also contact a District representative at:

(510) 834-1297 BART Central

1.07 PROTECTING THE GENERAL PUBLIC

- A. The Contractor shall take the necessary steps to prevent injury to the general public, BART employees, and BART patrons, or damage to public property. The public shall be considered as any persons not employed by the Contractor or its Subcontractors. The Contractor shall adhere to the following requirements:
1. Work shall be performed outside of the designated work area only when specifically stated in writing from the Engineer.
 2. Necessary steps shall be taken to protect and maintain work areas that interface with public sidewalks, station entrances (lobbies, corridors and aisles), stairways, escalators, elevators, and station platforms.
 3. All travel ways, access and egress points shall be maintained and clear of obstructions at all times.
 4. Warning signs shall be conspicuously positioned and a flag person shall be assigned when the Contractor's equipment may be encountered by pedestrians or vehicles.

1.08 SPECIFIC REQUIREMENTS

- A. Work Areas: The Contractor shall provide a safe work area for its employees. When unsafe conditions do exist, immediate abatement is required.

- B. Work Practices: The Contractor shall be responsible for assuring that its employees work safely and use the appropriate personal protective equipment.
- C. Weekly "Tool Box" Meetings:
1. The Contractor shall conduct weekly "tool box" meetings (15 minutes minimum) for all employees. The purpose of these weekly meetings is to:
 - a. Discuss observed accident trends and causes.
 - b. Plan safety into the work activities.
 - c. Take action to correct workers' safety concerns.
 - d. Review emergency procedures with employees.
 2. These meetings shall be documented and such documentation forwarded to the Engineer within one week of the meeting.
- D. Accident and Incident Reports: Provide Engineer with copies of all accident and incident reports within 24 hour of occurrence.
- E. Cal/OSHA Permit and Registration Requirements:
- Submit copies of permits from the California Division of Occupational Safety for the following:
1. Erection or demolition of any building, falsework, scaffolding, or structure the equivalent of three stories or higher.
 2. Performing any work related to hazardous materials.
- F. Personal Protective Equipment (PPE): The Contractor's personnel, without exception, are required to wear certain PPE. Among these are:
1. Hard hats and safety vests – mandatory.
 - a. Safety vests worn within the BART Right-of-Way must meet the following requirements:

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| Color: | Fluorescent Lime Yellow; |
| Visibility: | Class 3 ANSI Standard; |
| Reflectivity: | Level 2 ANSI Standard; |
| Reflective Tape: | At least 2" wide reflective tape sewn to vest on top of 4" wide red/orange trim. (Two horizontal stripes around entire vest (torso), two vertical stripes at front of vest from shoulder to top of horizontal stripe, stripes encircling each sleeve, and "X" stripe pattern on back of vest from shoulder to top of horizontal stripe); |
| Pockets: | One clear plastic pocket with flap (3.75" H x 4.5" W) on the front for ID card. |

- b. All other safety vests must meet OSHA requirements.
- 2. Hearing protection – mandatory in all operations creating noise above 80dBA.
- 3. Eye protection – mandatory when performing tasks producing flying debris or when handling any chemicals.
- 4. Safety harness – meeting ANSI A10.14 and shall be worn and used when exposed to any fall of four feet or more in height, where the height cannot be properly guarded with rails or other means.
- 5. Shoes – made of leather (if tunneling is performed, shoes shall be made of rubber with steel toes).
- 6. Shirts – only those with sleeves allowed; no tank tops or mesh shirts are allowed.
- 7. Respiratory protection – when required by law.

1.09 INSPECTIONS BY OUTSIDE AGENCIES

- A. The Contractor shall be subject to inspections by outside agencies, including Cal/OSHA. The Contractor shall notify the Engineer immediately should citations, warnings or safety violations be issued. Copies of same shall be provided to the Engineer within 48 hours.

1.10 INSPECTIONS BY THE DISTRICT

- A. The Contractor shall cooperate with designated District representatives when conducting site inspections.
- B. The District may periodically make quality assurance audits of the Contractor's Safety Program.

1.11 WORK PERFORMED NEAR EXISTING OPERATING RIGHT-OF-WAY

- A. For any construction equipment (such as cranes, concrete pump trucks, back hoes, and the like) that could encroach into the District's operating right-of-way, the Contractor shall submit, and obtain approval by the Engineer, a plan describing the use of such equipment, and the necessary precautions to be taken to preclude any accidental encroachment of the right-of-way.

1.12 HAZARDOUS MATERIALS ENCOUNTERED DURING CONSTRUCTION

- A. If unidentified contaminated materials are encountered during construction or an accident results in the release of hazardous materials, work shall be stopped and the area evacuated and secured. The Contractor shall immediately notify the Engineer. If necessary, the Contractor shall take precautions to limit the contamination to the jobsite.

PART 2 – PRODUCTS

Not Used

PART 3 – EXECUTION

Not Used

END OF SECTION 01 35 24